AMENDMENTS TO THE CLAIMS

The following claim set replaces all prior versions of the claims.

1. (Canceled)

2. (Withdrawn) A method for detecting milk allergens wherein a monoclonal antibody recognizing native milk allergens and a monoclonal antibody recognizing denatured milk allergens are used in combination.

3. (Canceled)

4. (Withdrawn) The method for detecting milk allergens according to claim 2, wherein the monoclonal antibody recognizing native milk allergens and/or denatured milk allergens is an anti-αs1 casein monoclonal antibody.

5. (Withdrawn) The method for detecting milk allergens according to claim 4, wherein the anti-αs1 casein monoclonal antibody recognizes a native αs1 casein, an urea-treated αs1 casein, a native sodium casein and a denatured sodium casein.

6. (Canceled)

7. (Withdrawn) The method for detecting milk allergens according to claim 4, wherein the anti-αs1 casein monoclonal antibody is the anti-αs1 casein monoclonal antibody Pas1CN1 produced by hybridoma (FERM ABP-10263) and/or the anti-αs1 casein monoclonal antibody Pas1CN2 produced by hybridoma (FERM ABP-10264).

8. (Canceled)

9. (Withdrawn)The method for detecting milk allergens according to claim 2, wherein the monoclonal antibody recognizing native milk allergens and/or denatured milk allergens is an anti-β-lactoglobulin monoclonal antibody.

10. (Withdrawn) The method for detecting milk allergens according to claim 9, wherein the anti-β-lactoglobulin monoclonal antibody recognizes a native β-lactoglobulin, an urea-treated β-lactoglobulin, and a reduced-carboxymethylated β-lactoglobulin.

11. (Withdrawn - previously presented) The method for detecting milk allergens according to claim 9, wherein the anti-β-lactoglobulin monoclonal antibody is the anti- β-lactoglobulin monoclonal antibody PβGL1 produced by hybridoma (FERM ABP-10281) and/or the anti-β-lactoglobulin monoclonal antibody PβGL2 produced by hybridoma (FERM ABP-10282) and/or the anti-β-lactoglobulin monoclonal antibody PβGL3 produced by hybridoma (FERM ABP-10283).

12. (Canceled)

13. (Withdrawn) The method for detecting milk allergens according to claim 2, wherein a casein and/or a whey protein is extracted with the use of urea and 2-mercaptoethanol from a sample.

14-102. (Canceled)

103. (Currently amended) A method for detecting albumen allergens in a sample by sandwich ELISA, which method comprises the following steps (a) to (c):

(a) preparing an immune complex by allowing an albumen allergen in the sample to contact a first anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin, bound to an insolubilized carrier, and a first anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, bound to the same insolubilized carrier;

(b) preparing a labeled immune complex by allowing the immune complex prepared in step (a) to contact a labeled second anti-native ovalbumin monoclonal antibody recognizing a

native ovalbumin and a labeled second anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein the second monoclonal antibody recognizing a native ovalbumin recognizes a different epitope of native ovalbumin than the epitope recognized by the first monoclonal antibody recognizing a native ovalbumin, and the second monoclonal antibody recognizing a denatured ovalbumin recognizes a different epitope of denatured ovalbumin than the epitope recognized by the first monoclonal antibody recognizing denatured ovalbumin; and

(c) detecting native and denatured albumen allergen in the sample by detecting the labeled immune complex prepared in step (b).

104. (Previously presented) A method for detecting albumen allergens in a sample by immunochromatography, which method comprises the following steps (a) to (c):

(a) preparing an antigen-antibody complex by allowing an albumen allergen in the sample to contact a first anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin and a first anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein each of the first monoclonal antibodies is labeled with gold colloid;

(b) allowing the antigen-antibody complex to move on a test strip by capillary action; and

(c) detecting native and denatured albumen allergen in the sample by the presence or absence of a colored line appearing on the test strip by a trapping of the antigen-antibody complex by a second anti-native ovalbumin monoclonal antibody recognizing a native ovalbumin and a second anti-reduced carboxymethylated ovalbumin monoclonal antibody recognizing a denatured ovalbumin, wherein the second monoclonal antibody recognizing a native ovalbumin recognizes a different epitope of native ovalbumin than the epitope recognized by the first monoclonal antibody recognizing a native ovalbumin, and the second monoclonal antibody recognizing a denatured ovalbumin recognizes a different epitope of denatured ovalbumin than the epitope recognized by the first monoclonal antibody recognizing denatured ovalbumin, and the second monoclonal antibodies are fixed in advance at a given position on the test strip.

105. (Previously presented) The method for detecting albumen allergens according to claim 103, wherein

the anti-ovalbumin monoclonal antibodies recognizing a native ovalbumin are the anti-ovalbumin monoclonal antibody PNOA1 produced by the hybridoma of Accession No: FERM BP-10265 and the anti-ovalbumin monoclonal antibody PNOA2 produced by the hybridoma of Accession No: FERM BP-10266; and

the anti-ovalbumin monoclonal antibodies recognizing a reduced carboxymethylated ovalbumin are the anti-ovalbumin monoclonal antibody PDOA1 produced by the hybridoma of Accession No: FERM BP-10275 and the anti-ovalbumin monoclonal antibody PDOA2 produced by the hybridoma of Accession No: FERM BP-10276.

106. (Withdrawn) A method for detecting flour allergens, wherein an anti-flour gliadin monoclonal antibody recognizing a native flour gliadin and a flour gliadin solubilized with a denaturant is used.

107. (Withdrawn) The method for detecting flour allergens according to claim 106, wherein the anti-flour gliadin monoclonal antibody recognizes a native flour gliadin, a reduced-carboxymethylated flour gliadin, a flour gliadin solubilized with 0.1 M acetate, a flour gliadin solubilized with 70% ethanol, and a flour gliadin solubilized with a denaturant.

108. (Withdrawn) A method for detecting buckwheat allergens, wherein an anti-buckwheat crude protein monoclonal antibody recognizing a native buckwheat crude protein and a heat-denatured buckwheat crude protein is used.

109. (Withdrawn) The method for detecting buckwheat allergens according to claim 108, wherein the anti-buckwheat crude protein monoclonal antibody recognizes a 24Da protein and a heat-denatured buckwheat crude protein, or an anti-buckwheat crude protein monoclonal antibody recognizing a 76kDa protein and a native buckwheat crude protein.

110. (Withdrawn) A method for detecting peanut allergens, wherein an anti-Ara h1 protein monoclonal antibody recognizing a native peanut Ara h1 protein and a heat-denatured peanut Ara h1 protein is used.

111. (Withdrawn) The method for detecting peanut allergens according to claim 110, wherein the anti-Ara h1 protein monoclonal antibody recognizes a native Ara h1 protein and a native peanut crude protein, and/or an urea-treated Ara h1 protein and an urea-treated peanut crude protein.

112. (Previously presented) The method for detecting albumen allergens according to claim 104, wherein

the anti-ovalbumin monoclonal antibodies recognizing a native ovalbumin are the anti-ovalbumin monoclonal antibody PNOA1 produced by the hybridoma of Accession No: FERM BP-10265 and the anti-ovalbumin monoclonal antibody PNOA2 produced by the hybridoma of Accession No: FERM BP-10266; and

the anti-ovalbumin monoclonal antibodies recognizing a reduced carboxymethylated ovalbumin are the anti-ovalbumin monoclonal antibody PDOA1 produced by the hybridoma of Accession No: FERM BP-10275 and the anti-ovalbumin monoclonal antibody PDOA2 produced by the hybridoma of Accession No: FERM BP-10276.